FIG.1

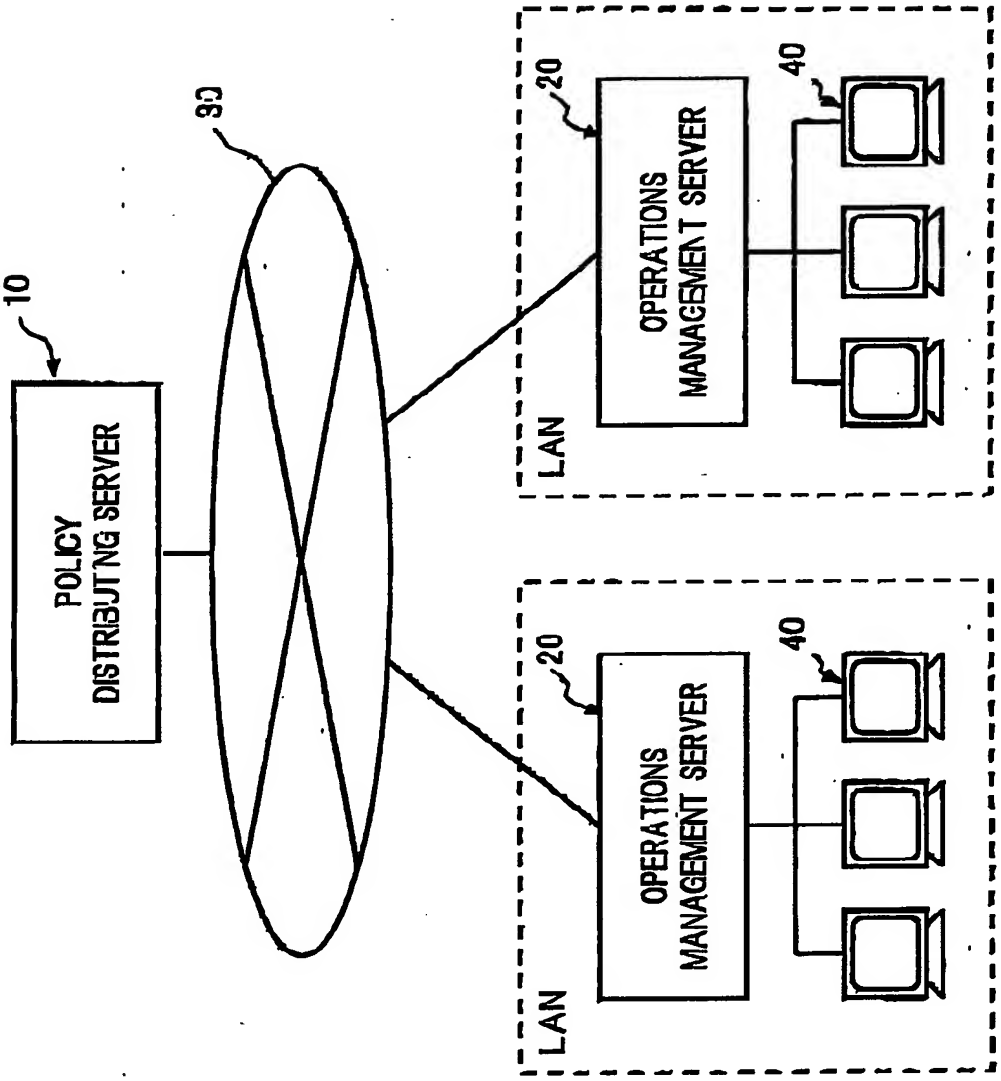

10
POLICY
DISTRIBUTING SERVER
30
20
OPERATIONS
MANAGEMENT SERVER
40
LAN
20
OPERATIONS
MANAGEMENT SERVER
40
LAN

FIG.2

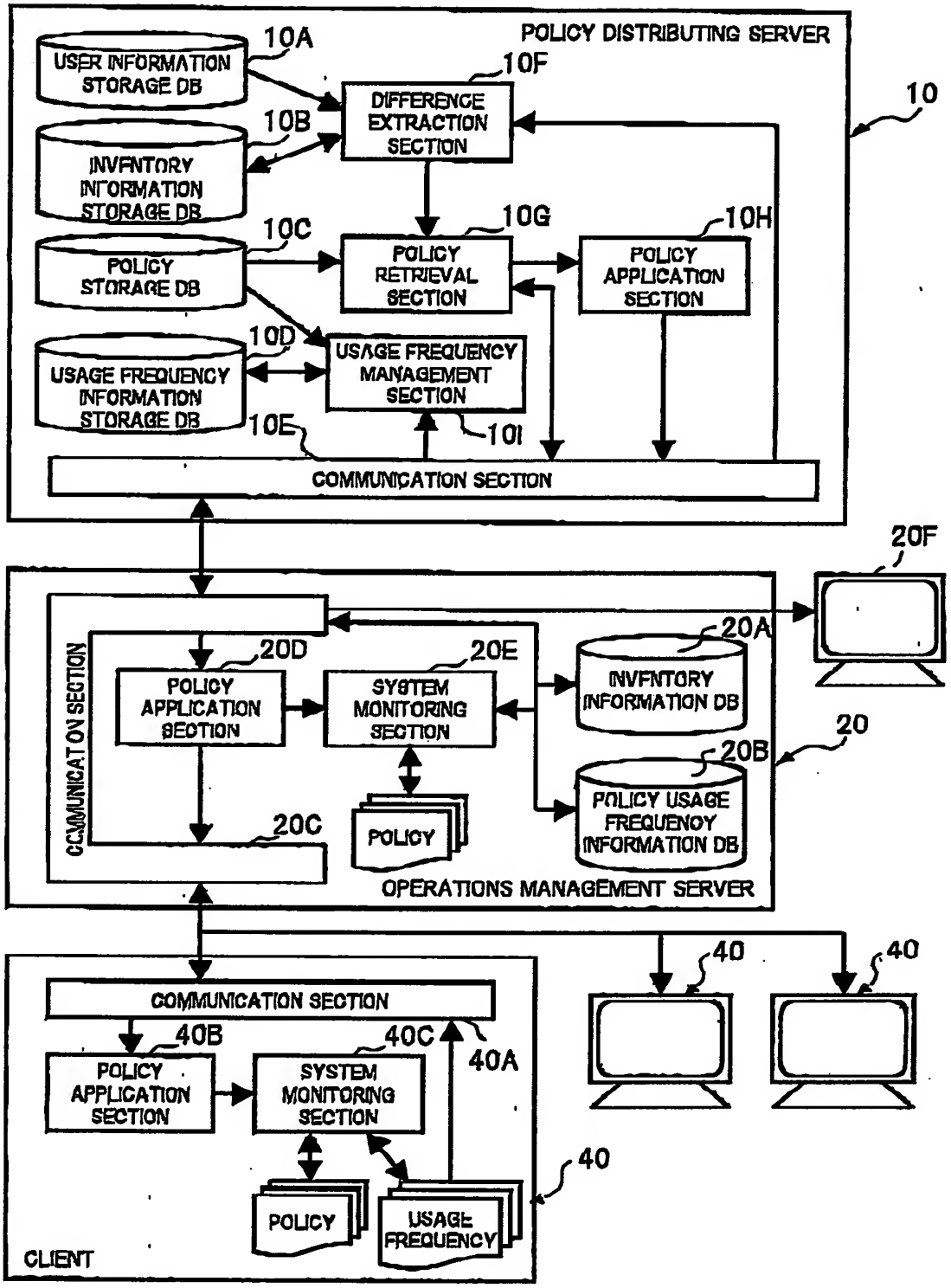

POLICY DISTRIBUTING SERVER
10
10A
USER INFORMATION STORAGE DB
10F
DIFFERENCE EXTRACTION SECTION
10B
INVENTORY INFORMATION STORAGE DB
10C
POLICY STORAGE DB
10G
POLICY RETRIEVAL SECTION
10H
POLICY APPLICATION SECTION
10D
USAGE FREQUENCY INFORMATION STORAGE DB
USAGE FREQUENCY MANAGEMENT SECTION
10E
10I
COMMUNICATION SECTION
20F
20A
20D
20E
COMMUNICATION SECTION
POLICY APPLICATION SECTION
SYSTEM MONITORING SECTION
INVENTORY INFORMATION DB
20
20B
POLICY USAGE FREQUENCY INFORMATION DB
20C
POLICY
OPERATIONS MANAGEMENT SERVER
40
40
COMMUNICATION SECTION
40B
40C
40A
POLICY APPLICATION SECTION
SYSTEM MONITORING SECTION
40
POLICY
USAGE FREQUENCY
CLIENT

FIG.3

USER NAME	USER INFORMATION 1	USER INFORMATION 2	USER INFORMATION 3	INVENTORY NAME	LAST UPDATED	COMMENTS
user1	info1	info2	info3	INVENTORY 1	20020301	

FIG.4

USER NAME	HARDWARE	OS	OS V/L	SOFTWARE	SOFTWARE V/L	SERVER TYPE	COMPUTER NAME	LAST UPDATED
user1	UNIX	Solaris	2.8				computer1	20020103
user1	UNIX	Solaris	2.8	oracle	7	server	computer1	20020301

FIG.5

(A)

POLICY NAME	TARGET NVENTCRY	TARGET V/L	TARGET MESSAGE KEY	MONITOR/ NO-MONITOR	ERROR LEVEL	DESCRIPTION
event1	INVENTORY KEY 1	V/L	KEYWORD 1	NO-MONITOR		
			KEYWORD 2	MONITOR	SERIOUS	

(B)

POLICY NAME	TARGET NVENTCRY	TARGET V/L	NAME OF PROCESS TO BE MONITORED	POLLING INTERVAL	ERROR LEVEL	DESCRIPTION
process1	INVENTORY KEY 1	V/L	PROCESS TO BE MONITORED 1	60	WARNING	
			PROCESS TO BE MONITORED 2	30	SERIOUS	

(C)

POLICY NAME	TARGET INVENTORY	TARGET V/L	MIB NAME	MONITORING CONDITIONS	ERROR LEVEL	DESCRIPTION
mib1	INVENTORY KEY 1 INVENTORY KEY 3	V/L	MIB1	THRESHOLD OF MIB VALUE	WARNING	
			MIB2	THRESHOLD OF MIB VALUE	SERIOUS	

(D)

POLICY NAME	TARGET INVENTORY	TARGET V/L	TRAP oid	MESSAGE	ERROR LEVEL	DESCRIPTION
trap1	INVENTORY KEY 1 INVENTORY KEY 3	V/L	enterprises.221.3.4.1	....	....	
			enterprises.221.3.4.2	....	....	

(E)

POLICY NAME	TARGET INVENTORY	TARGET V/L	I/F NAME (MIB)	POLLING INTERVAL	THRESHOLD	DESCRIPTION
network1	INVENTORY KEY 2 INVENTORY KEY 4	V/L	ifStatus	60	<=100	

FIG.6

POLICY NAME	NUMBER OF REFERENCES	OPERATING TIME	NUMBER OF APPLICATIONS
event1	120	2340C	32
event2	100	2000	25

FIG.7

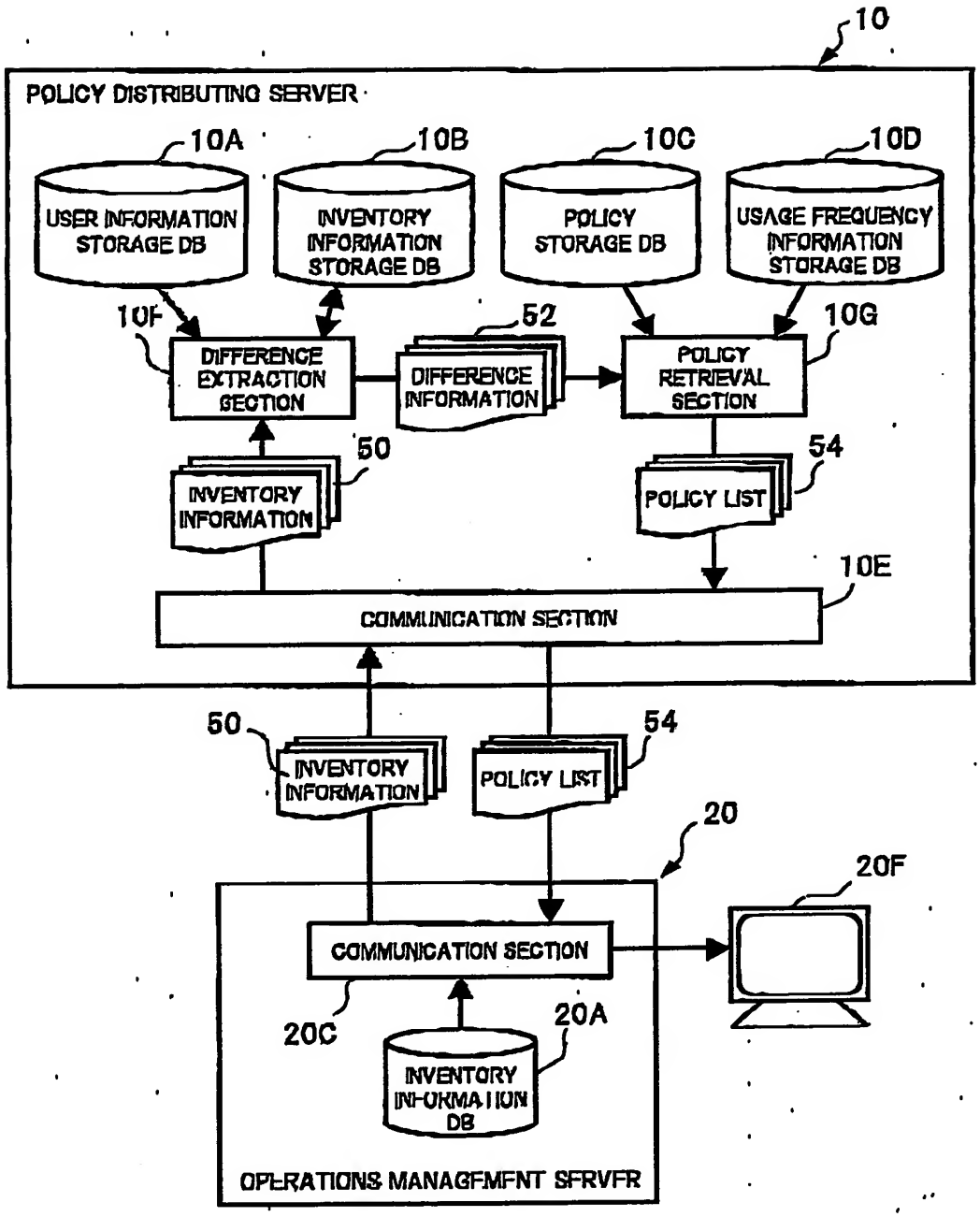

10
POLICY DISTRIBUTING SERVER
10A
USER INFORMATION STORAGE DB
10B
INVENTORY INFORMATION STORAGE DB
10C
POLICY STORAGE DB
10D
USAGE FREQUENCY INFORMATION STORAGE DB
10F
DIFFERENCE EXTRACTION SECTION
52
DIFFERENCE INFORMATION
10G
POLICY RETRIEVAL SECTION
50
INVENTORY INFORMATION
54
POLICY LIST
10E
COMMUNICATION SECTION
50
INVENTORY INFORMATION
54
POLICY LIST
20
20F
COMMUNICATION SECTION
20C
20A
INVENTORY INFORMATION DB
OPERATIONS MANAGEMENT SERVER

FIG.8

POLICY NAME	TYPE	TARGET INVENTORY	DESCRIPTION	NUMBER OF REFERENCES	OPERATING TIME	NUMBER OF APPLICATIONS
event1	EVENT MONITORING	INVENTORY KEY 1, INVENTORY KEY 2	....	120	23400	12
event2	EVENT MONITORING	INVENTORY KEY 1, INVENTORY KEY 3	....	100	2000	7
mib1	MIB MONITORING	INVENTORY KEY 1, INVENTORY KEY 4	....	80	340	3
....	....	....	....	....	....	....

FIG.9

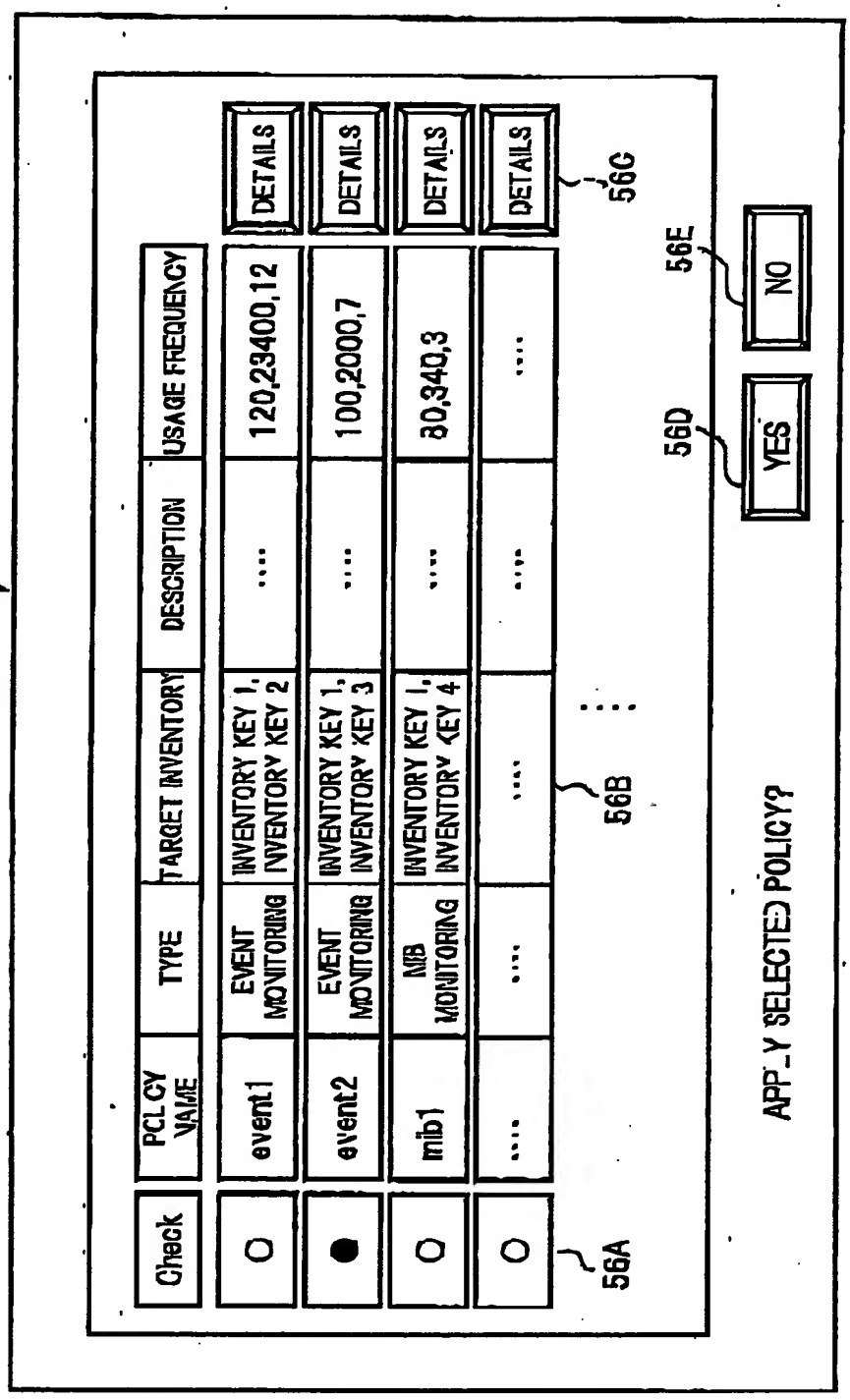

56
Check
POLICY NAME
TYPE
TARGET INVENTORY
DESCRIPTION
USAGE FREQUENCY
event1
EVENT MONITORING
INVENTORY KEY 1, INVENTORY KEY 2
120,23400,12
event2
EVENT MONITORING
INVENTORY KEY 1, INVENTORY KEY 3
100,2000,7
mib1
MIB MONITORING
INVENTORY KEY 1, INVENTORY KEY 4
80,340,3
DETAILS
56A
56B
56C
56D
56E
YES
NO
APPLY SELECTED POLICY?

FIG.10

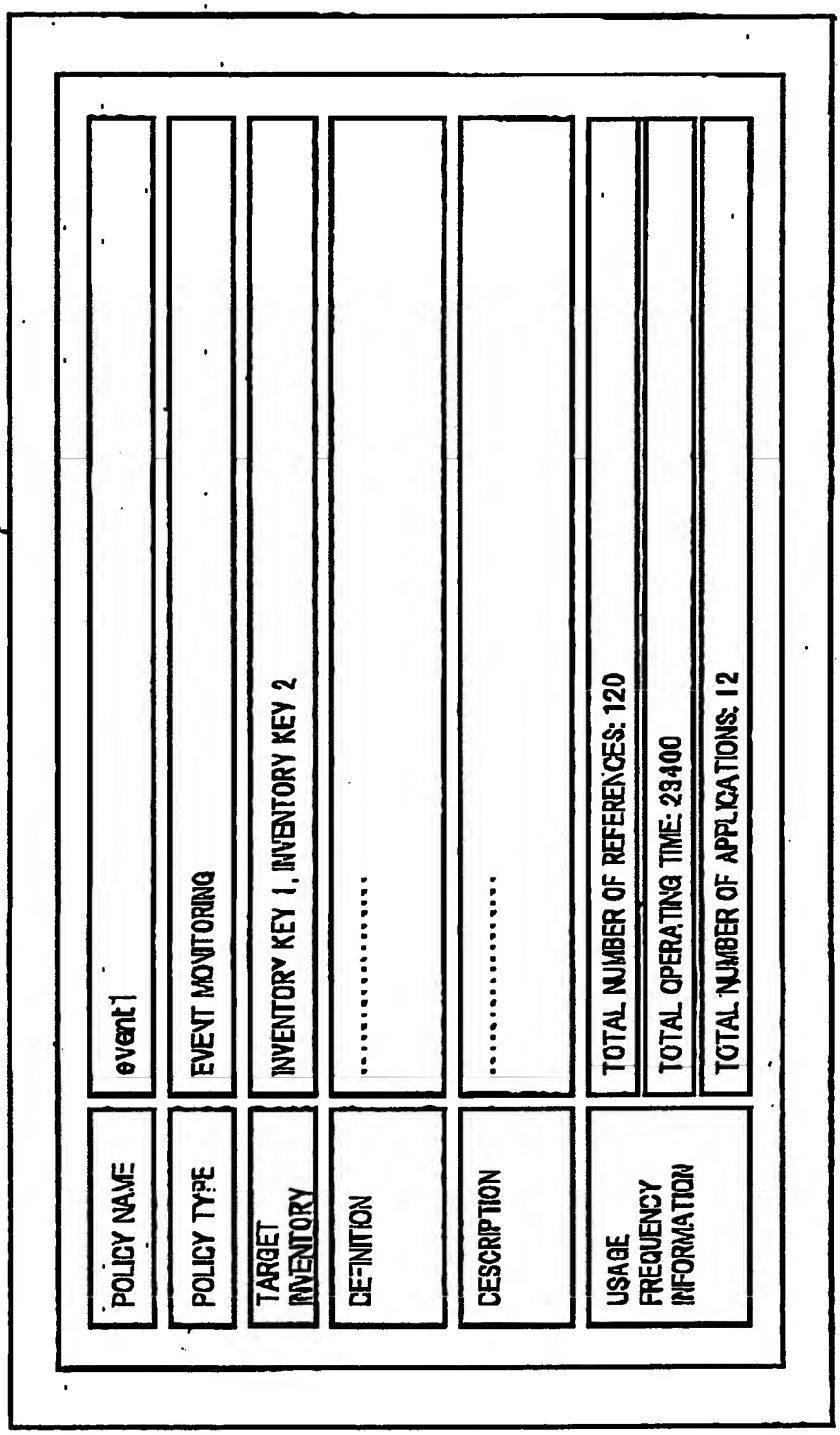

58
POLICY NAME
event1
POLICY TYPE
EVENT MONITORING
TARGET INVENTORY
INVENTORY KEY 1, INVENTORY KEY 2
DEFINITION
.....
DESCRIPTION
.....
USAGE FREQUENCY INFORMATION
TOTAL NUMBER OF REFERENCES: 120
TOTAL OPERATING TIME: 23400
TOTAL NUMBER OF APPLICATIONS: 12

FIG.11

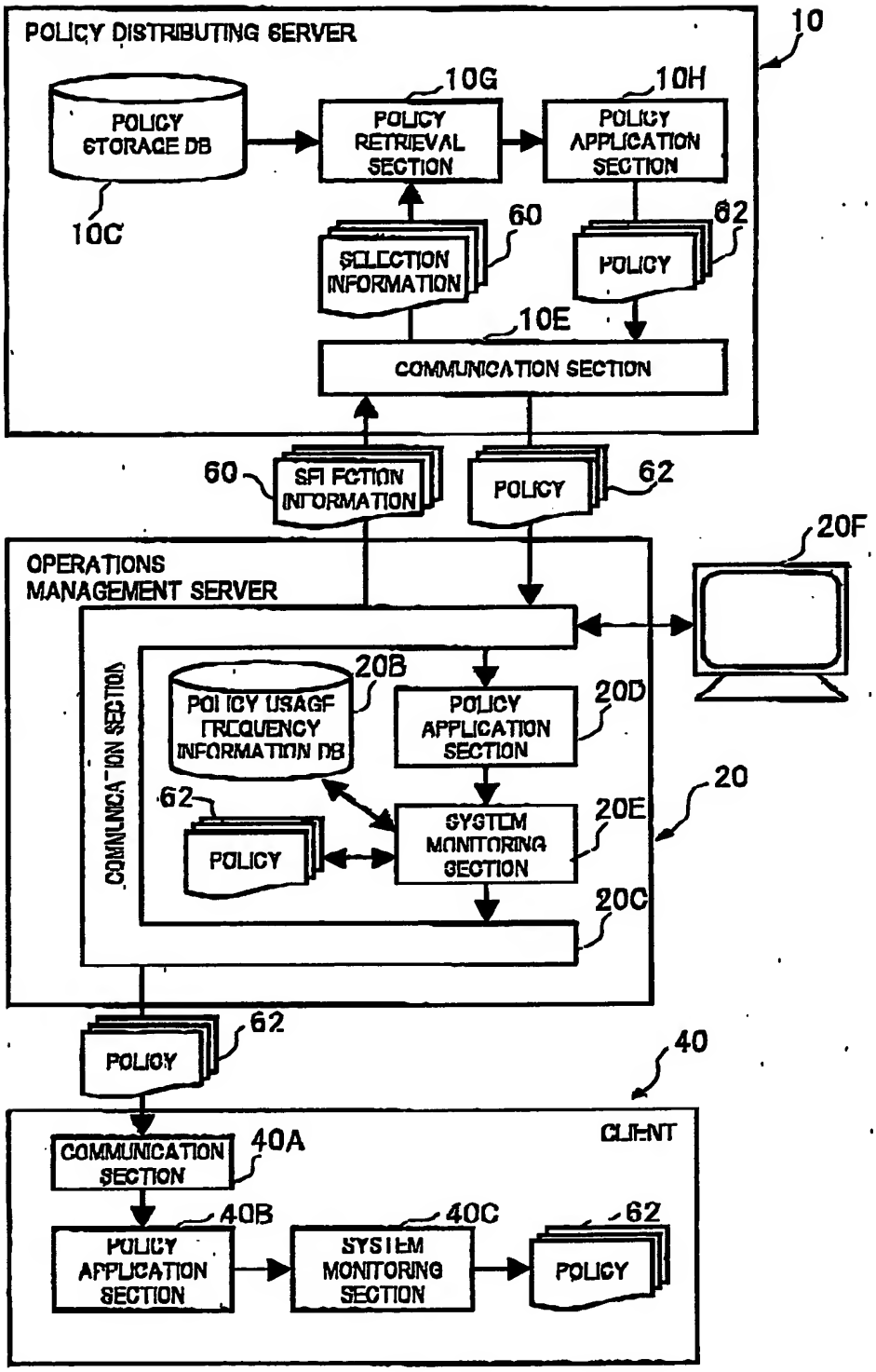

POLICY DISTRIBUTING SERVER
10
POLICY STORAGE DB
10C
10G
POLICY RETRIEVAL SECTION
10H
POLICY APPLICATION SECTION
60
SELECTION INFORMATION
62
POLICY
10E
COMMUNICATION SECTION
60
SELECTION INFORMATION
62
POLICY
20F
OPERATIONS MANAGEMENT SERVER
COMMUNICATION SECTION
20B
POLICY USAGE FREQUENCY INFORMATION DB
20D
POLICY APPLICATION SECTION
20
62
POLICY
20E
SYSTEM MONITORING SECTION
20C
62
POLICY
40
CLIENT
COMMUNICATION SECTION
40A
40B
POLICY APPLICATION SECTION
40C
SYSTEM MONITORING SECTION
62
POLICY

FIG.12

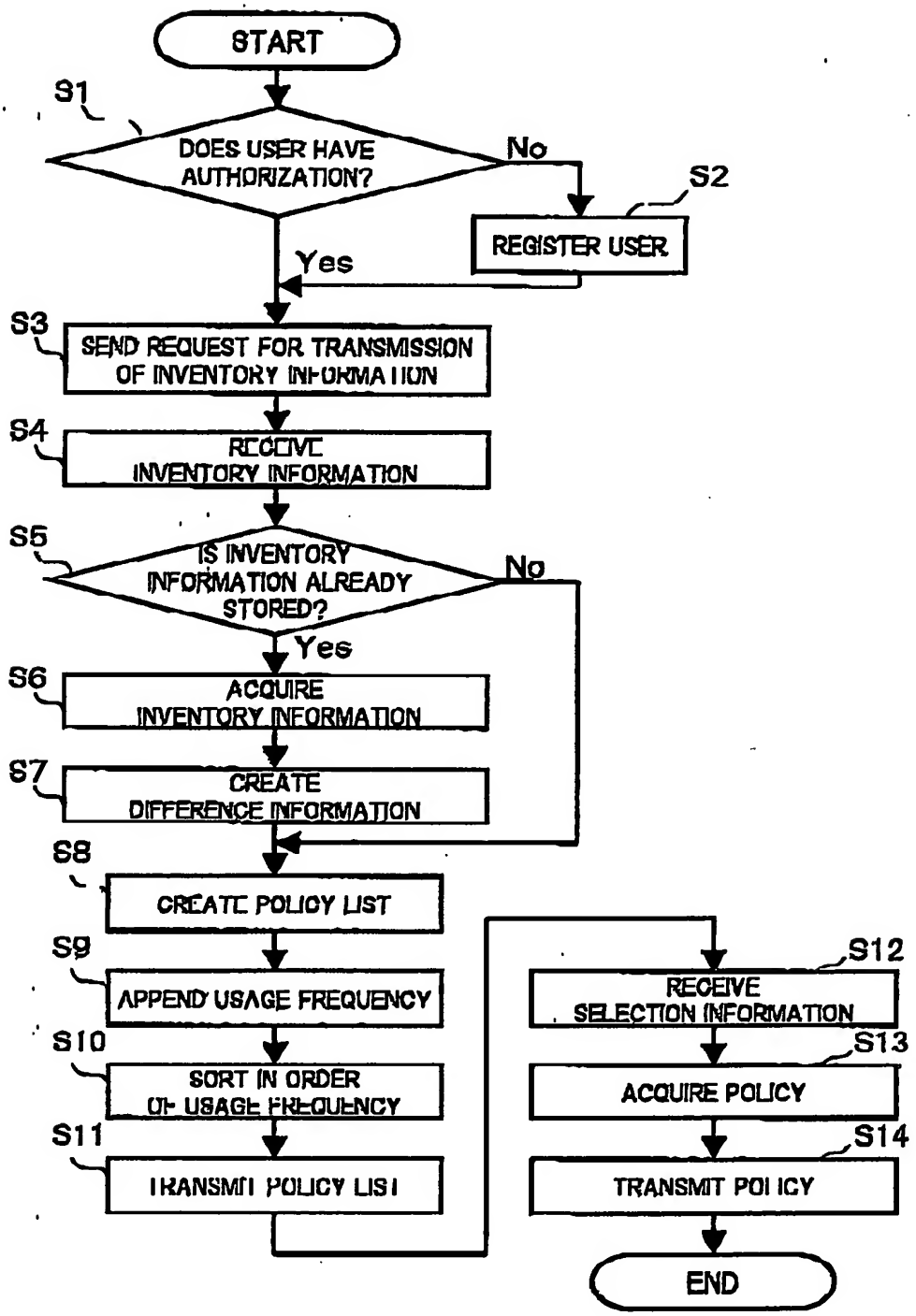

START
S1
DOES USER HAVE AUTHORIZATION?
No
S2
REGISTER USER
Yes
S3
SEND REQUEST FOR TRANSMISSION OF INVENTORY INFORMATION
S4
RECEIVE INVENTORY INFORMATION
S5
IS INVENTORY INFORMATION ALREADY STORED?
No
Yes
S6
ACQUIRE INVENTORY INFORMATION
S7
CREATE DIFFERENCE INFORMATION
S8
CREATE POLICY LIST
S9
APPEND USAGE FREQUENCY
S10
SORT IN ORDER OF USAGE FREQUENCY
S11
TRANSMIT POLICY LIST
S12
RECEIVE SELECTION INFORMATION
S13
ACQUIRE POLICY
S14
TRANSMIT POLICY
END

FIG.13

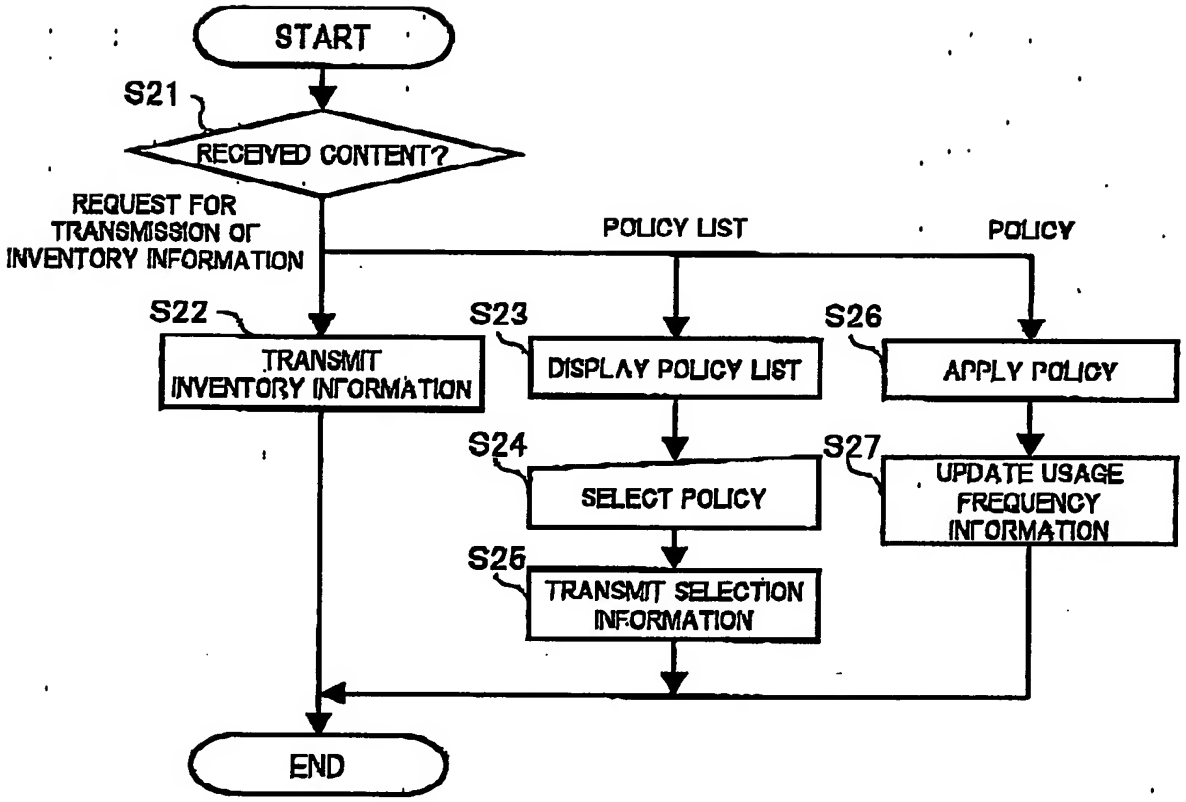

START
S21
RECEIVED CONTENT?
REQUEST FOR TRANSMISSION OF INVENTORY INFORMATION
POLICY LIST
POLICY
S22
TRANSMIT INVENTORY INFORMATION
S23
DISPLAY POLICY LIST
S24
SELECT POLICY
S25
TRANSMIT SELECTION INFORMATION
S26
APPLY POLICY
S27
UPDATE USAGE FREQUENCY INFORMATION
END

FIG.14

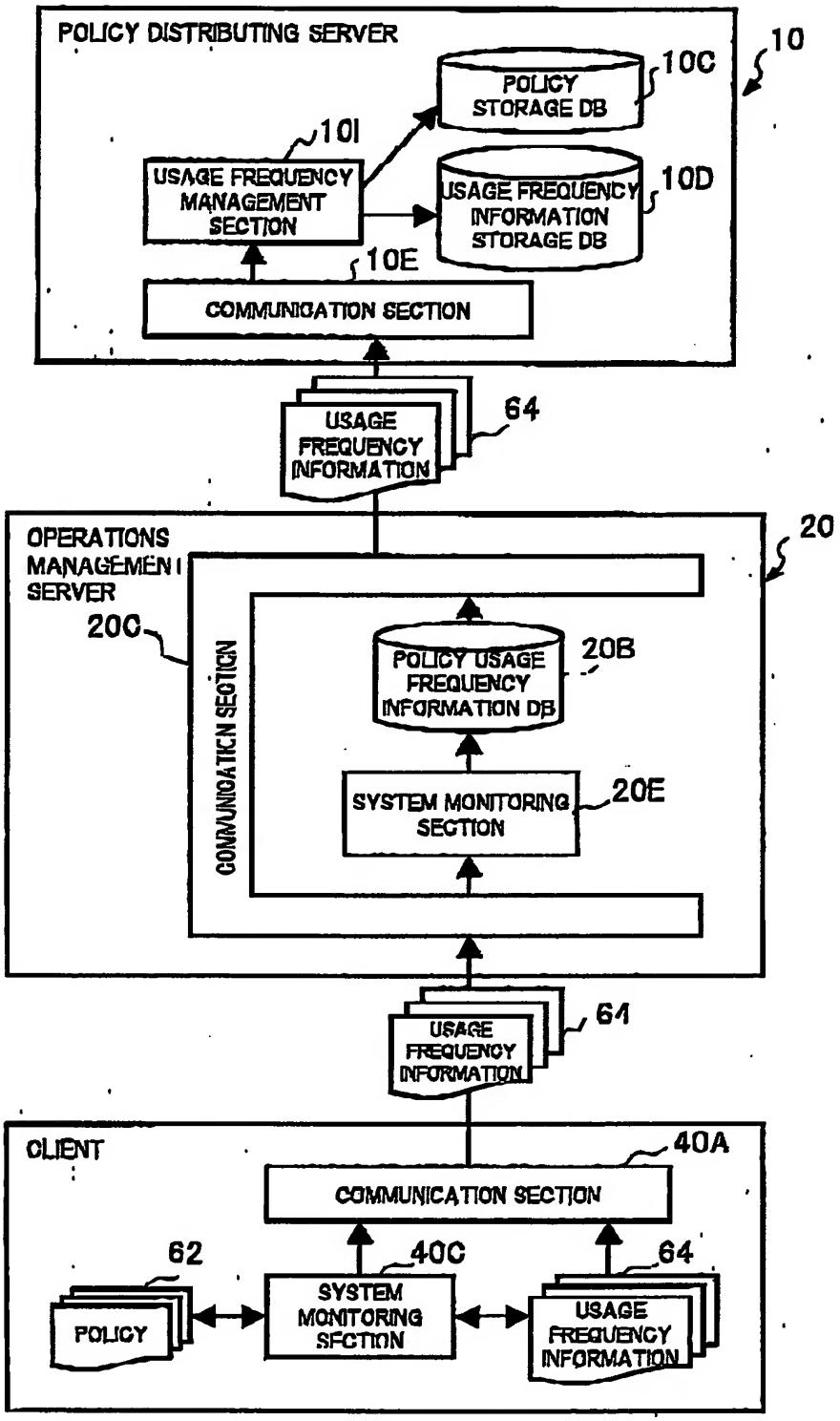

POLICY DISTRIBUTING SERVER
10
POLICY STORAGE DB
10C
101
USAGE FREQUENCY MANAGEMENT SECTION
USAGE FREQUENCY INFORMATION STORAGE DB
10D
10E
COMMUNICATION SECTION
USAGE FREQUENCY INFORMATION
64
OPERATIONS MANAGEMENT SERVER
20
200
COMMUNICATION SECTION
POLICY USAGE FREQUENCY INFORMATION DB
20B
SYSTEM MONITORING SECTION
20E
USAGE FREQUENCY INFORMATION
61
CLIENT
40A
COMMUNICATION SECTION
62
40C
64
POLICY
SYSTEM MONITORING SECTION
USAGE FREQUENCY INFORMATION

FIG.15

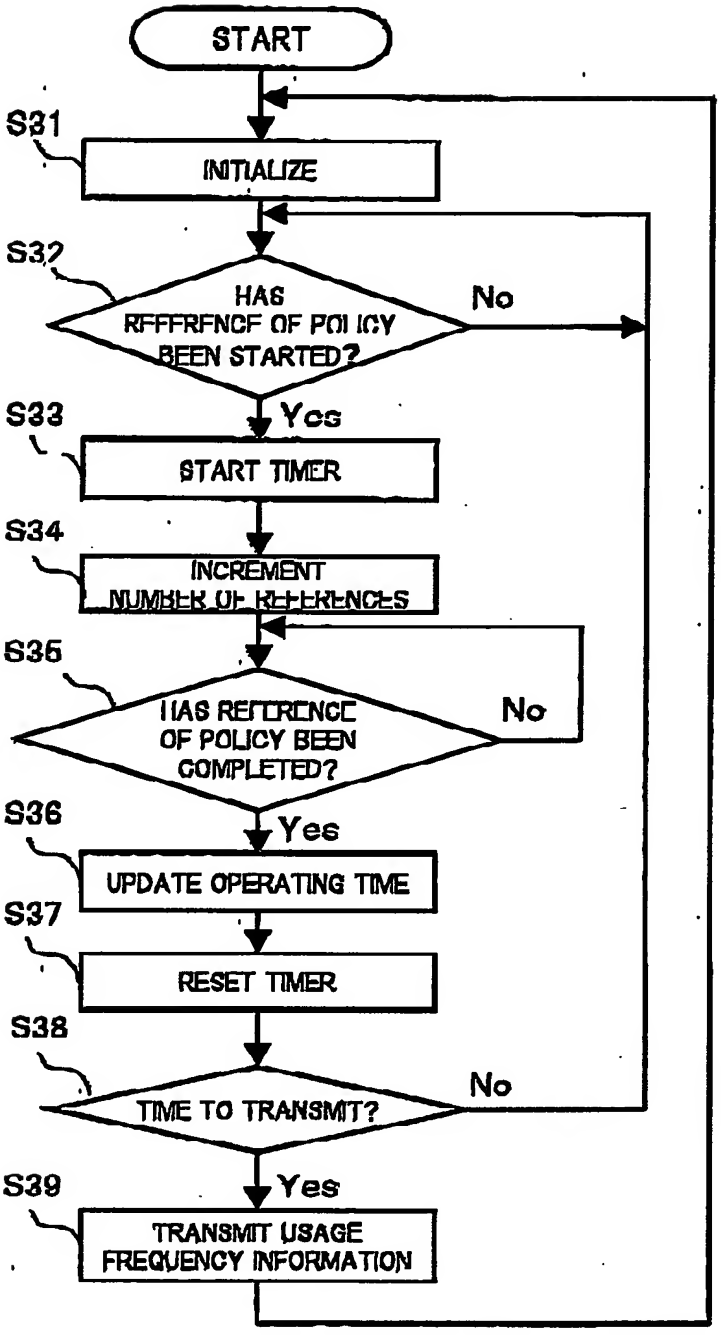

START
S31
INITIALIZE
S32
HAS REFERENCE OF POLICY BEEN STARTED?
No
Yes
S33
START TIMER
S34
INCREMENT NUMBER OF REFERENCES
S35
HAS REFERENCE OF POLICY BEEN COMPLETED?
No
Yes
S36
UPDATE OPERATING TIME
S37
RESET TIMER
S38
TIME TO TRANSMIT?
No
Yes
S39
TRANSMIT USAGE FREQUENCY INFORMATION

FIG.16

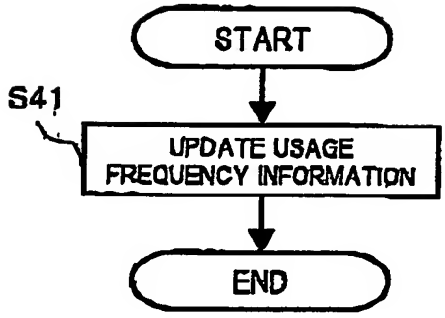
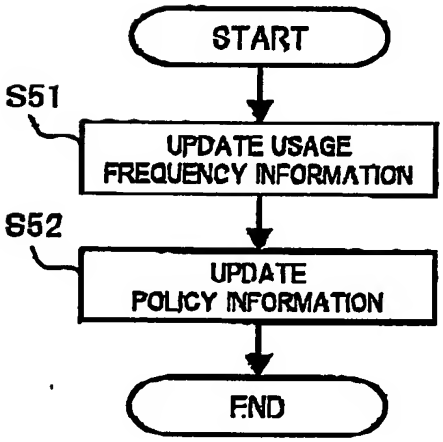

START
S41
UPDATE USAGE FREQUENCY INFORMATION
END

FIG.17


START
S51
UPDATE USAGE FREQUENCY INFORMATION
S52
UPDATE POLICY INFORMATION
END